

REMARKS

Claims 1, 14, and 20 have been amended to clarify the subject matter regarded as the invention. Claims 1-14 and 20 are pending.

The Examiner has rejected claims 1, 12, and 20 under 35 U.S.C. 103(a) as being unpatentable over Marshall in view of Muratani and further in view of Yasotharan.

The rejection is respectfully traversed. With respect to claim 1, Marshall describes a two-level correlation technique in which a received signal is input to two correlators 301 and 302 (first level). The first level outputs are digitized and the difference is input to digital correlation system 307 (second level). (Marshall, Figure 5 and 6:5-15) Digital correlation system 307 shows an array of correlator elements. (Marshall, Figure 8) However, multiple levels of correlation or an array of correlator elements as taught by Marshall is different from cross correlating the subsequences of samples with a known form of the subsequence to produce one cross correlation for each of the plurality of subsequences of samples, as recited in claim 1. Support for the amendment to claim 1 may be found, without limitation, in the above-captioned application at page 9, lines 7-11 and Figure 4. Yasotharan shows cross correlating samples B with samples A in cross-correlator 412 (Yasotharan, Figure 7). Muratani shows cross-correlating detecting target contents 30 (Muratani, Figure 3). However, neither Yasotharan nor Muratani teaches cross correlating the subsequences of samples with a known form of the subsequence to produce one cross correlation for each of the plurality of subsequences of samples, as recited in claim 1. As such, claim 1 is believed to be allowable.

Claims 2-14 depend from claim 1 and are believed to be allowable for the same reasons described above. Claim 20 recites a system for carrying out the method of claim 1. Therefore, it is believed that claim 20 is also allowable.

The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

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Respectfully submitted,

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